Attorney Docket No. SQN-2959 First Inventor	Under the Paperwork Reduction Act of 1995, no persons are requ	uired to re	spond to a collection	of information unless it displays a valid OMB control number.					
PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. MS Patent Application MS Patent Application MS Patent Application MS Patent Application APPLICATION ELEMENTS See MPEP chapter 800 conceming utility patent application contents. APPLICATION ELEMENTS See MPEP chapter 800 conceming utility patent application contents. APPLICATION ELEMENTS See Transmittal Form (e.g., PTO/SBI17) (Septimal arrogament and form (e.g., PTO/SBI17) (Septimal arrogament (e.g., PTO/SBI17		Attorn	ey Docket No.	SON-2959					
TRANSMITTAL (Colly for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patents		First II	nventor	Motoyasu YANO					
Express Mail Label No. See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patents ADDRESS ACCOMPANYING APPLICATION PARTS ACCOMPANYING APPLICATION PARTS ADDRESS A	TRANSMITTAL	Title							
APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents P. D. Box 1450 Alexandria; VA 22313-1450 1. X Fee Transmittal Form (e.g., PTO/SB/17) 2. Applicant claims small entity status. 3. Septification or application for the processing) 2. Applicant claims small entity status. 3. X Specification (Total Pages 47) 3. X Specification (Total Pages 47) 4. (Subman or opinal, and a duplatate for the processing) 5. Septification (Total Pages 47) 6. (Processing the status of the invention commission of the processing o	(Only for new nonprovisional applications under 37 CFR 1.53(b))	Expres	ss Mail Label No.	<u> </u>					
APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents P. D. Box 1450 Alexandria, VA 22313-1450 1. X Fee Transmittal Form (e.g., PTO/SB/17) 2. Applicant claims small entity status. 3. Sepacification or Total Pages 47 3. X Specification arrangement set forth below) 2. Descriptive title of the invention correct or Sequence Issing a pathon or Correct Program (Appendix) or Computer Program (Appendix				MS Patent Application					
Computer Program (Appendix) Computer Program (Appendix) Computer Program (Appendix) Computer Program (Appendix) Computer Readable Form (CRF)		ntents.	ADDRESS TO: Commissioner for Patents P.O. Box 1450						
2. See 37 CFR 1.27. 3. X Specification									
Descriptor till of the invention Consequence Listing on: Consequ	Applicant claims small entity status.		8 Nucleotide and/or Amino Acid Sequence Submission						
- Descriptive little of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence isting, a table, or a computer program isting appendix - Background of the invention - Brief Summary of the trivention - Brief Summary of the trivention - Brief Summary of the browings (if filed) - Brief Summary of the filed State of the Disdosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 12] 11.	3. X Specification [Total Pages 47	cification [Total Pages 47] a. Computer Readable Form (CRF)							
or a computer program Issing appendix Background of the Invention Brief Summary of the Invention Brief Summary of the Invention Brief Summary of the Invention Claim(s) Abstract of the Discoption Claim(s) Abstract of the Discoption Claim(s) Abstract of the Discosure A X Drawing(s) (35 U.S.C. 113) Drawing(s) (35 U.S.C. 113) Total Sheets I 2] I 5. Oath or Declaration I Total Sheets I 2] I 1. English Translation Document (if applicable) Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations I 2. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations I 3. Newly executed (original or copy) I 2. Information Disclosure Disclosure Copies of IDS Statement (IDS)/PTO-1449 I 3. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) (For continualizor/vivisional with Box 16 completed) I 3. Certified Copy of Priority Document(s) (Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 I 3. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) (Should be specifically itemized) I 5. X (Information Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. I 7. Other: Other: Other: Other: Other: Orninuation Divisional Continuation Divisional Continuation Data Sheet. See 37 CFR 1.76 Continuation Divisional Continuation Data Sheet under 37 CFR 1.76: Orninuation Divisional Continuation Data Sheet under 37 CFR 1.76: Orninuation Divisional Continuation Divisional Continuation Data Sheet under 37 CFR 1.76: Orninuation Divisional Continuation Data Sheet under 37 CFR 1.76: Orninuation Divisional Continuation Data Sheet under 37 CFR 1.76: Orninuation Divisional Continuation Data Sheet under 37 CFR 1.76: Orninuation Data Shee	Descriptive little of the invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D								
- Brief Secription of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113)	or a computer program listing appendix								
- Detailed Description - Claim(s) - Abstract of the Disclosure 4.	- Brief Summary of the Invention		ACCOMPANYING APPLICATION PARTS						
Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113)	- Detailed Description								
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 12] 1 11. English Translation Document (if applicable) 5. Oath or Declaration [Total Sheets 3] 1 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. Deletion OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 23353 OR Correspondence address below Name RADER, FISHMAN & GRAUER PLLC Ronald P. Kananen Address Address	 Claim(s) Abstract of the Disclosure 								
a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.75: Continuation Divisional Continuation-in-part (CIP) of prior application, from which an oath or dectaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. Page 1233 20th Street, N.W.	4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 1	2]		•					
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 15. X Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 23353 OR Correspondence address below Name RADER, FISHMAN & GRAUER PLLC Ronald P. Kananen 1233 20th Street, N.W.	5. Oath or Declaration [Total Sheets 3	3] 1							
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Name RADER, FISHMAN & GRAUER PLLC Ronald P. Kananen 1233 20th Street, N.W.	19. CORRESPONDENCE ADDRESS								
Ronald P. Kananen 1233 20th Street, N.W.	X Customer Number: 23353		OR	Correspondence address below					
Ronald P. Kananen 1233 20th Street, N.W.		RPLLC							
Address	Ronald P. Kananen								
	Address								

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City Washi		nington		State	DC	DC		de	20036	
Country		JS			Telephone	(20	2) 955-3750		Fax	(202) 955-3751
Name	Name (Print/Type) Ronald P. Kana		Kanangn	Registration No. (Attorn			ney/Agent)		24,104	
Signatu	ure		Rober	PH	e !	Robe	M 5612) U. 41,800	Date	М	arch 15, 2004
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PTO/SB/17 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

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FEE TRANSMITTAL		Complete if Known							
IEE IIVANSMIIIIAE	•	Application Number				Not Yet Assigned			
for FY 2003		Filing Date				March 15, 2004			
Effective 01/01/2003, Patent fees are subject to annual revision.		First Named Inventor				Motoyasu YANO			
Elisado Olionzoos, i alam laas ala suajaa ta arinda lavistar.		Examiner Name No				Not Yet A	Assigned		
Applicant claims small entity status. See 37 CFR 1.27		Art Unit N/A							
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Name	1052	50	2052	25		rcharge – late provisional filing fee or cover			
The Director is authorized to: (check all that apply)					sheet.				
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English	n-English specification			
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	For filing a re	filing a request for ex parte reexamination			
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting Examiner ac	esting publication of SIR prior to			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting	publication of	of SIR after		
FEE CALCULATION	1251	110	2251	55	Examiner ac	er action on for reply within first month			
1. BASIC FILING FEE	1252	410	2252	205			n second month		
Large Entity Small Entity	1253	930	2253	465	Extension fo	or reply withi	n third month		
Fee Fee Fee Fee Fee Pee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension fo	or reply within	n fourth month		
1001 770 2001 385 Utility filing fee 770.00	1255	1,970	2255	985	Extension fo	or reply within	n fifth month		
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Ap				
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief	f in support o	of an appeal		
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for	oral hearing			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510		n to institute a public use proceeding			
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1201 86 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each ad-	ditional inve			
1204 86 2204 42 ** Reissue independent claims	1801	750	2801	375	examined (3 Request for		(D)) Examination (RCE)		
over original patent	1802	900	1802	900	Request for	expedited ex	, ,		
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**or number previously paid, if greater; For Reissues, see above	Redu	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.0					0.00		
SUBMITTED BY (Complete (if applicable))									
Name (Print/Type) Ronald P. Kananen	Registi (Attorne	ration No ey/Agent)	24,	,104			(202) 955-3750		
Signature Solve I Them Rose	8eX7	5 GAR	EN FR	3,16.	41,800	Date	March 15, 2004		